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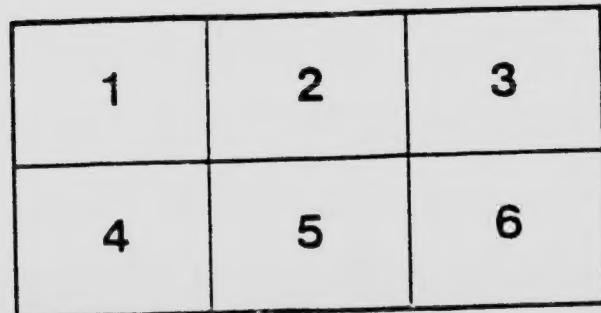
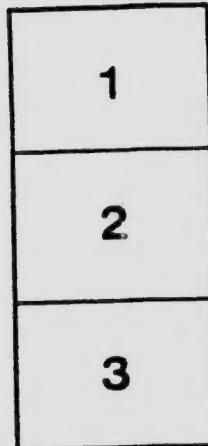
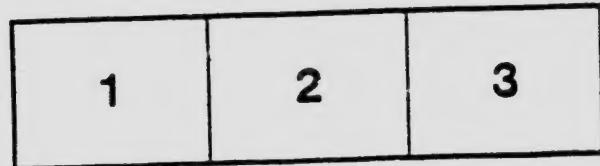
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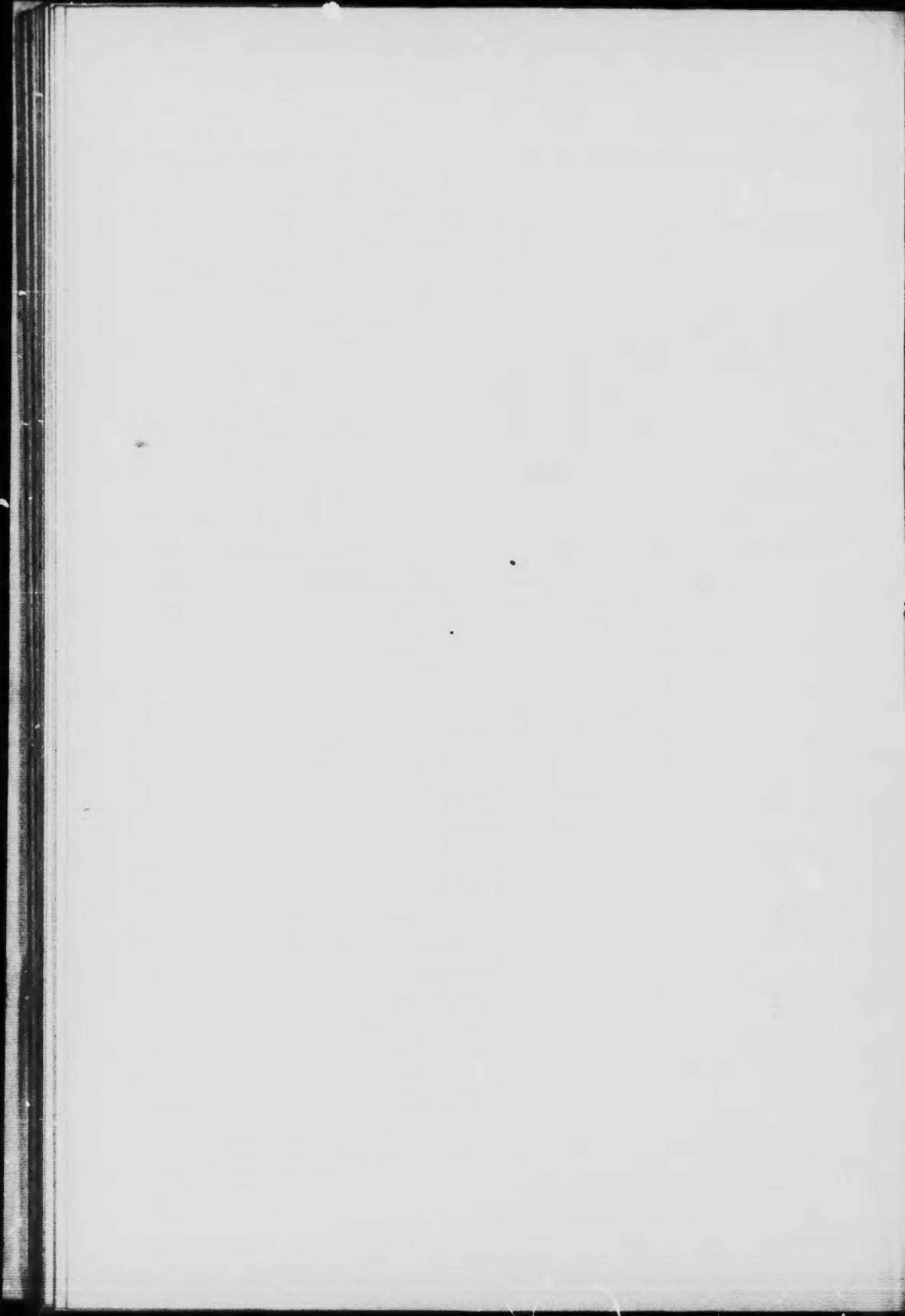
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LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 105

FERTILIZERS AS SOLD

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
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BULLETIN No. 105

FERTILIZERS AS SOLD

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue Department.

OTTAWA, August 19, 1905.

DEAR SIR,—I have the honour to present you the results of analysis of 88 samples of Fertilizers, purchased in the open market during the months of April, May and June of this year.

This procedure is in accordance with the terms of Section 5 of the Fertilizers Act, which requires not only that manufacturers, importers or vendors shall furnish standard samples of the brands which they propose to place on the market, but that such action shall not limit the right of the inspector to procure samples for in accordance with the subsequent provisions of the Act.

The samples now reported may be classified as follows:—

District.	Total inspected.	Genuine.	Below guarantee.	Not registered.	Doubtful.
Nova Scotia.....	7	4	0	3	0
Prince Edward Island.....	2	1	0	1	0
New Brunswick.....	7	4	2	1	0
Quebec.....	7	7	0	0	0
St. Hyacinthe.....	10	3	3	2	2
Montreal.....	15	10	4	0	1
Kingston.....	10	6	0	4	0
Toronto.....	12	7	1	3	1
London.....	10	3	0	7	0
British Columbia.....	8	5	0	3	0
Total.....	88	50	10	24	4

The samples whose analysis is now reported, should be directly comparable with one or other of the brands registered in Bulletin 101. Much difficulty has been found in identifying the samples purchased, and the inspectors have in many cases, been uncertain as to identity. Hence it comes that four (4) samples are marked 'doubtful,' and it is quite possible that some of the samples classed as 'not registered' may owe this to imperfect description.

I would suggest that manufacturers and importers, be required to distinguish each brand by a perfectly distinctive name (as is already done by many manufacturers) and that the brand so distinguished should be always sold under its proper name. Such names as 'Potato fertilizer' 'Bone meal' 'Lawn fertilizer' etc., are too general and permit of much error in comparison with standards. It would also be well that, in buying samples on the open market, the inspector should carry with him a copy of the list of standard fertilizers registered for the year, and require each vendor to identify the sample sold by him, with a registered brand; failing which, the sample sold by him would of course, fall into the class of unregistered fertilizers.

I beg to recommend that this report be published as Bulletin 105.

I have the honour to be, sir, your obedient servant,

A. MCGILL,
Acting Chief Analyst.

RECORD OF FERTILIZER

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Nova Scotia—R. J. Waugh, Inspector.</i>					
April 25	Potato Manure	20485	Capt. C. O. Allen, Pidgeon, Kentville, N.S.	Fertilizer Co., Windsor, N.S.	As sold As guaranteed Standard sample (1710)
" 25	Orchard Fertilizer.....	20486	" " "	" " "	As sold As guaranteed Standard sample (1712)
" 26	Swift's Animal Brand for all crops.	20489	R. E. Harris, Wolfville, N.S.	Swift's Lowell Co., Boston, Mass.	As sold As guaranteed Standard sample (1677)
" 26	Potato and Vegetable Phosphate.	20491	F. W. Woodman, Wolfville, N.S.	Bowker, Boston, Mass.	As sold As guaranteed Standard sample (1690)
" 26	Hill and Drill Phosphate	20492	" " "	" " "	As sold As guaranteed Standard sample
" 27	Blood, Bone and Potash Fertilizer.	20494	F. W. Dimock, Windsor, N.S.	Nova Scotia Fertilizer Co., Halifax, N.S.	As sold As guaranteed Standard sample (1691)
" 27	Ceres Brand	20495	" " "	" " "	As sold As guaranteed Standard sample (1693)
<i>District of P. E. Island—T. Moore, Inspector.</i>					
May 3	Bowker's Bone and Potash Square Brand.	24424	F. W. Strong, Summerside, P.E.I.	Bowker Mfg. Co., New York.	As sold As guaranteed Standard sample
" 3	Swift's Lowell Animal Brand.	24428	J. D. Schurman, Kensington, P. E. I.	Swift's Lowell Fertilizer Co., Boston.	As sold As guaranteed Standard sample (1677)
<i>District of New Brunswick—J. C. Ferguson, Inspector.</i>					
April 19	Fertilizer.....	23891	Mfr	Thos. Reid, Parish of Simonds, St. John County, N.B.	As sold As guaranteed Standard sample (1645)
" 26	Swift's Potato Phosphate	23894	Sussex Mercantile Co., Sussex, N.B.	New England Fertilizer Co., Boston, Mass.	As sold As guaranteed Standard sample (1676)
" 27	Potato Special	23897	Toombs & Son, Main st., Moncton.	The American Agrl Chemical Co.	As sold As guaranteed Standard sample (1669)
May 9	Climax Phosphate.	24002	F. M. Murchie, King street, St. Stephen.	" "	As sold As guaranteed Standard sample (1664)
" 11	Potato and Vegetable Phosphate.	24004	A. R. Hallet, Grand Falls station.	Bowker Fertilizer Co., Boston, Mass.	As sold As guaranteed Standard sample

Samples as Sold, 1905

RESULTS OF ANALYSIS.

RESULTS OF ANALYSIS.														
Nitrogen.		Phosphoric Acid.							Analyst.		Remarks.			No. of Sample.
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.	Potash.	Moisture.	Relative value per ton, 2000 lbs.	8 cts.				
p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.						
2.74	3.33	4.73	3.64	1.13	9.50	8.37	4.15	11.99	23.48	M. Bowman	Unadulterated	.....	20485
3.70						8.0	4.70							20486
2.38	2.89	7.35	1.92	2.75	2.02	9.27	4.77	13.04	24.62	"	Unadulterated	.....	20487
0.22	0.27	4.43	2.67	0.43	7.53	7.10	10.83	10.83	19.29	"			20488	
					6.00	11.00								
Trs.	7.12	2.72	0.63	8.47	7.84	11.41	12.64	20.73						20489
2.02	2.45	6.72	2.71	1.00	10.43	9.43	5.81	12.61	21.08	"	Unadulterated	.....	20490
3.00					10.00	9.00	4.00							
2.74	3.72	6.39	2.83	2.48	11.70	9.22	5.15	10.64	24.99	"			20491	
1.79	2.18	5.98	4.05	2.05	12.08	10.03	1.06	12.20	19.39	"			20492	
3.29	4.00	6.00	2.00	1.00	9.00	8.00	7.00						20493	
3.44	4.18	7.03	0.65	2.55	10.23	7.18	8.08	13.12	29.67	"	Not registered and therefore illegally sold.	Comparison with 1680 is questionable correct.	20494	
2.27	2.75	6.57	3.67	1.44	11.68	10.24	2.13	11.81	22.20	"	Not registered and therefore illegally sold.	.....	20495
1.79	2.18	0.45	8.89	1.31	10.65	9.34	3.08	6.89	19.39	"			20496	
2.00						7.00								
1.82	2.21	7.99	1.61	4.79	14.39	9.60	4.88	8.44	23.86	"			20497	
1.74	2.11	3.27	5.41	3.95	12.63	8.68	3.20	8.85	20.18	"	Up to guarantee.	.....	20498
2.00					11.00		2.00							
2.10	2.55	8.95	0.65	1.43	11.03	9.60	4.53	13.28	23.55					
1.65	2.01	1.01	6.26	3.84	11.12	7.27	2.00	17.28	16.86	"	Not registered, and therefore illegally sold.	.....	24424
2.35	2.86	6.85	2.34	1.78	10.98	9.19	4.00	15.92	23.41	"	Unadulterated	.....	24425
3.00					10.00	9.00	4.00							
2.74	3.72	6.39	2.83	2.48	11.70	9.22	5.15	10.64	24.99					
3.00	3.64	1.97	3.88	3.97	9.82	5.85	3.15	24.97	21.17	"	Not up to standard in available phosphoric acid.	.....	24426
2.88	3.50	3.20	8.96	6.20	18.36	12.16	3.75	20.80	29.10	"			24427	
1.96	2.38	4.80	2.79	2.06	9.65	7.59	3.57	11.07	19.68	"	Below guarantee in potash.	.....	24428
3.00					9.00	8.00	6.00							
2.68	3.26	6.27	2.37	2.23	10.87	8.64	6.68	10.88	20.59	"			24429	
2.16	2.62	4.93	3.53	2.56	11.02	8.40	3.45	12.59	21.36	"			24430	
0.82	1.00	2.00	2.00	1.00	5.00	4.00	8.00						24431	
0.70	0.85	3.52	2.69	2.55	8.76	6.21	7.14	12.40	17.47	"			24432	
1.34	1.63	6.09	2.84	2.29	11.22	8.93	2.22	13.55	17.97	"			24433	
1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00						24434	
1.47	1.79	3.84	4.63	3.84	12.31	8.47	2.62	14.08	18.47	"			24435	
1.99	2.41	6.03	3.54	2.51	12.11	9.60	3.18	14.03	21.86	"	Not registered and therefore illegally sold.	.....	24436

RECORD OF FERTILIZER

Date of Collection.	Name of Sample or Brand.	No. of Sample	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of New Brunswick—Con.</i>					
May 12	Great Eastern Grass and Oats.	24006	Solomon Perley, Woodstock, N.B.	The American Agricultural Co., New York.	As sold..... As guaranteed..... Standard sample (1625)
" 15	Special Potato Phosphate	24009	James A. Bell, Fredericton.	Provincial Chemical Fertilizer Co., St. John, N.B.	As sold..... As guaranteed..... Standard sample (1687)
<i>District of Quebec—Geo. Mulroney, Inspector.</i>					
June 12	Victor.....	25401	J. B. Renaud, St. Paul st., Quebec.	Capelton Chemical Co., Buckingham.	As sold..... As guaranteed..... Standard sample (1608)
" 12	"	25402	P. T. Legare, St. Paul st., Quebec.	Nichols Chemical Co., Capelton.	As sold..... As guaranteed..... Standard sample (1608)
" 12	No. 1.....	25403	" "	Capelton Chemical Co.	As sold..... As guaranteed..... Standard sample (1605)
" 12	Capelton.....	25404	" "	" "	As sold..... As guaranteed..... Standard sample (1610)
" 12	Sure Growth.....	25405	Eug. Julien, St. Sauveur.	Freeman Fertilizer Co.	As sold..... As guaranteed..... Standard sample (1630)
" 12	Tobacco Manure.....	25406	" "	" "	As sold..... As guaranteed..... Standard sample (1636)
" 12	Thomas Phosphate	25407	" "	Imported.....	As sold..... As guaranteed..... Standard sample (1629)
<i>District of St. Hyacinthe—J. C. Bouleau, Inspector.</i>					
April 25	Bradley's Fertilizer.....	24675	A. McLeay & Kiddie Bros.	Bradley Fertilizer Co., Boston, Mass.	As sold..... As guaranteed..... Standard sample (1652)
" 26	Victor	24676	L. E. Thibaudeau, Plessisville.	The Chemical Co. of Canada, Capelton, Que.	As sold..... As guaranteed..... Standard sample (1608)
" 26	"	24677	G. P. Nadeau, Stanfold.	"	As sold..... As guaranteed..... Standard sample (1608)
" 26	Blood, Bone and Potash Fertilizer.	24678	F. Allard, Stanfold.	Provincial Chemical Fertilizer Co., St. John, N.B.	As sold..... As guaranteed..... Standard sample (1691)
" 26	Potato Fertilizer.....	24679	Nolin & Roux, Stanfold.	Bowker Fertilizer Co., Boston.	As sold..... As guaranteed..... Standard sample (1647)
" 27	Read's Practical Potato Special.	24680	H. C. Baldwin, Dixville Road, Coaticook.	The American Agricultural Chemical Co., New York.	As sold..... As guaranteed..... Standard sample (1669)
" 28	Pacific Nobisque Guano.	24681	"	"	As sold..... As guaranteed..... Standard sample (1661)
" 28	Bradley's Alkaline Bone with Potash.	24682	"	"	As sold..... As guaranteed..... Standard sample (1663)

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.												No. of Sample	
Nitrogen.		Phosphoric Acid.						Analyst.	Remarks.				
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.	Potash.	Moisture.	Relative value per ton, £ 100 lbs.				
p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	£ cts				
0.14	0.17	7.15	3.81	2.14	13.10	10.96	1.93	12.46	15.38	W. F. G. — man	Unadulterated.	24076	
		11.00	.....	1.00	.....	.....	2.00	.....	.....		
Tr.	Tr.	6.71	.....	2.23	13.11	10.88	3.03	14.36	12.32	.....	Up to guarantee.	24009
1.46	1.77	6.14	3.50	3.63	13.28	9.64	3.53	10.06	20.8	.....	.....
		2.50	.....	.....	.....	8.00	1.50	.....	.....		
2.24	2.72	7.99	1.61	5.11	14.71	9.00	8.14	7.44	28.64	.....	.....
		11.50	.....	.....	.....	.....	.....	.....	.....
2.52	3.06	5.55	1.90	6.42	13.87	7.45	2.29	9.45	21.52	J. T. Donald	Up to guarantee.	25401	
	2.00	.....	.....	.....	.....	7.00	3.00	.....	.....		
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	.....	.....	25402
2.03	2.46	3.55	2.41	4.50	10.46	5.96	2.26	11.68	17.43	.....	According to guarantee.	
	2.00	.....	.....	.....	.....	7.00	3.00	.....	.....		
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	.....	.....	25403
0.91	1.10	5.07	3.02	8.03	16.12	8.09	0.42	8.76	15.31	.....	Genuine.	
		11.50	.....	.....	.....	.....	.....	.....	.....
		9.75	2.72	5.43	17.90	12.47	.....	11.08	16.32	.....	.....	25404
0.35	0.42	5.47	1.83	7.66	14.96	7.30	0.13	11.06	12.18	.....	According to guarantee.	
		8.00	.....	.....	.....	.....	.....	.....	.....
1.19	1.45	5.91	0.39	6.23	12.53	6.30	.....	12.32	13.44	.....	.....	25405
3.18	3.86	4.03	4.73	4.48	13.24	8.76	1.99	12.48	24.17	.....	According to guarantee.	
	3.50	.....	.....	8.00	.....	.....	3.00	.....	.....		
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	.....	.....	25406
4.62	5.61	3.38	3.51	3.37	10.26	6.89	6.27	12.54	30.89	.....	According to guarantee.	
	6.00	.....	.....	7.00	.....	7.00	.....	.....	.....	
4.90	5.95	5.76	2.71	4.80	27	8.47	6.40	13.96	34.30	.....	Genuine.	25407
		11.61	5.31	2	.....	.....	0.00	14.36	.....	.....	.....
		14.14	3.00	14.14	.....	17.65	.....	.....	.....	
1.06	1.20	7.52	1.83	2.67	1	8.40	2.44	12.32	17.92	.....	The name under which sold is not sufficiently explicit for certain identification.	24675
1.03	1.25	6.00	2.00	2.50	10.00	8.00	2.00	.....	.....	.....	Below guarantee in available phosphoric acid.	24676
1.33	1.61	3.84	3.20	3.64	10.68	7.04	1.89	13.85	15.63	.....	.....
1.65	2.01	4.75	0.02	4.78	9.55	4.77	2.52	10.42	15.29	.....	.....
	2.00	.....	.....	7.00	.....	7.00	3.00	.....	.....		
		3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	Slightly below guarantee in available phosphoric acid.	24677
		2.20	5.71	0.2	3.98	9.90	5.92	3.08	11.81	17.67	
		2.00	.....	.....	7.00	3.00	.....	.....	.....	
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	.....	.....	24678
1.42	1.73	6.65	0.66	4.25	11.56	7.31	2.94	12.57	17.73	.....	Slightly below guarantee in potash.	
	2.00	.....	.....	7.00	4.00	.....	.....	.....	.....
1.82	2.21	7.99	1.61	4.79	14.39	9.60	4.88	8.44	23.86	.....	Not sufficiently described to permit of certain identification with standard.	24679
0.95	1.16	4.48	2.91	1.26	8.59	7.39	5.08	8.51	17.24	.....	Above guarantee in every respect.	24680
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00	.....	.....	.....	.....
1.40	1.70	7.16	0.38	4.79	12.28	7.49	3.37	13.30	18.52	.....	.....
0.96	1.16	4.29	2.56	2.58	8.43	5.88	8.36	10.01	20.34	.....	.....
0.82	1.00	2.00	2.00	1.00	5.00	4.00	8.00	.....	.....	.....	.....
0.70	0.85	3.52	2.69	2.55	8.76	6.21	7.14	12.90	17.47	.....	Genuine.	24681
1.56	1.89	3.65	2.54	2.69	8.88	6.19	2.01	16.30	15.28	.....	.....
1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00	.....	.....	.....	.....
1.54	1.87	4.79	3.21	3.19	11.19	8.00	1.91	14.04	17.38	.....	.....
0.42	0.51	4.84	5.51	2.66	13.01	10.35	1.85	13.03	15.92	.....	Up to guarantee.	24682
		6.00	5.00	1.00	12.00	11.00	2.00	.....	.....		
0.28	0.34	6.07	4.10	2.87	13.04	10.17	2.24	13.77	15.84	.....	.....

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of St. Hyacinthe—Con.</i>					
May 3	Sure Crop Fertilizer . . .	24683	C. M. Chappel, St. Alexander.	Bowker Fertilizer Co., Boston.	As sold As guaranteed Standard sample
"	3% Potato Fertilizer . . .	24694	A. J. Gosselin, St. Alexander.	"	As sold As guaranteed Standard sample
<i>District of Montreal—J. J. Costigan, Inspector.</i>					
"	8 Standard	25216	Brodie & Harvie, 7 Bleury st., Montreal.	Standard Fertilizer Chemical Co., Smith's Falls.	As sold As guaranteed Standard sample (1640)
"	8 Special	25217	"	"	As sold As guaranteed Standard sample (1639)
"	9 Bone and Potash	25218	Wm. Ewing & Co., McGill St.	W. A. Freeman Co., Hamilton.	As sold As guaranteed Standard sample (1631)
"	9 Lawn Fertilizer	25219	"	"	As sold As guaranteed Standard sample (1630)
"	9 Bone Meal	25220	"	"	As sold As guaranteed
"	9 Celery and Vegetable . .	25221	"	"	Standard sample (1637) As sold As guaranteed Standard sample (1632)
"	9 Tankage	25222	"	"	As sold As guaranteed
"	9 Sure Growth	25223	"	"	Standard sample (1635) As sold As guaranteed
"	10 No. 1 Fertilizer	25224	R. J. Latimer & Capelton Co., St. Antoine st., Montreal.	Chemical Fertilizer Co., Buckingham.	Standard sample (1630) As sold As guaranteed
"	10 Royal Canadian	25225	"	Nichols Chemical Co.	Standard sample (1605) As sold As guaranteed
"	10 Victor	25226	"	"	Standard sample (1607) As sold As guaranteed
June 30	Fertilizer	25227	Laing Packing & Provision Co., Montreal.	Laing Packing & Provision Co., Mont- real.	Standard sample (1608) As sold As guaranteed
"	13 Fertilizer, Eclipse Brand .	25408	R. F. McKee, Richmond, P.Q.	American Agricultural Chemical Co.	Standard sample (1612) As sold As guaranteed
"	13 Potato Fertilizer	25409	Kerr & Foss, Sher- brooke, P.Q.	"	Standard sample (1631) As sold As guaranteed
"	13 Eclipse Brand	25410	"	"	Standard sample (1647) As sold As guaranteed Standard sample (1651)

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.												No. of Sample.	
Nitrogen.		Phosphoric Acid.								Analyst.	Remarks.		
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.	Potash.	p.c.	cts.	Relative value per ton, 2,000 lbs.			
p.c. p.e.	p.c. p.e.	p.c. p.e.	p.c. p.e.	p.c. p.e.	p.c. p.e.	p.c. p.e.	p.c. p.e.	p.c.	cts.				
1·17 1·42	3·20 3·45	3·32 3·39	9·97 1·27	6·65 9·01	2·15 7·74	18·38 2·42	14·16	74 22		J. T. Donald Brand not registered	24683		
1·29 1·56	5·35 2·39	1·27 1·27	9·01 9·01	7·74 7·74	2·42 2·42	9·58 9·58	16 16	22 22	" .. "	" .. "	24694		
2·41 2·93	7·84 2·15	3·19 3·19	13·18 13·18	9·99 9·99	1·92 1·92	10·97 10·97	22 22	84 84	" ..	According to guarantee	25216		
2·50 9·00			11·00		2·00								
2·73 3·31	6·90 2·37	3·39 3·39	12·66 12·66	9·27 9·27	2·10 2·10	9·08 9·08	23 23	22 22	" ..	" .. "	25217		
2·91 3·54	0·71 8·67	3·04 3·04	12·42 12·42	9·38 9·38	6·28 6·28	9·18 9·18	27 27	46 46	" ..	" .. "	25218		
3·50 8·00			10·00		6·00								
3·29 3·99	7·54 1·93	2·55 2·55	12·02 12·02	9·47 9·47	7·25 7·25	12·36 12·36	30 30	37 37	" ..	" .. "	25219		
2·57 3·12	0·29 7·75	4·68 4·68	12·72 12·72	8·04 8·04	5·57 5·57	5·80 5·80	24 24	53 53	" ..	" .. "	25220		
2·00			9·00		6·00								
2·59 3·14	4·48 2·88	6·52 6·52	13·88 13·88	7·36 7·36	4·98 4·98	15·60 15·60	24 24	78 78	" ..	Is imperfectly described so as to make identification doubtful. Appears to be low in potash.	25221		
2·12 2·57	0·93 9·74	3·57 3·57	14·24 14·24	10·67 10·67	1·74 1·74	12·42 12·42	21 21	82 82	" ..	" .. "	25222		
3·50			8·00		3·00								
2·94 3·57	5·24 3·21	7·03 7·03	15·48 15·48	8·45 8·45	2·85 2·85	15·60 15·60	24 24	18 18	" ..	" .. "	25223		
2·39 2·91	.. 10·59	12·21 12·21	22 80	10·59 10·59	.. 10·04	23 43	" ..		Genuine	25224			
3·00			23 00										
4·10 4·98		17·58	5·44	23·02	17·58		5·56	34 09	" ..	Above guarantee in phosphoric acid, but below guarantee in ammonia and potash.	25225		
3·73 4·53	6·84 2·96	3·98 3·98	13·78 13·78	9·80 9·80	3·94 3·94	10·66 10·66	29 29	28 28	" ..	Genuine	25226		
3·00			9·00		6·00								
5·04 6·12	5·12 3·04	4·31 4·31	12·47 12·47	8·16 8·16	5·14 5·14	13·64 13·64	33 33	04 04	" ..	" .. "	25227		
7·33 8·90	0·11 10·28	2·98 2·98	13·37 13·37	10·39 10·39	0·45 0·45	10·97 10·97	37 37	71 71	" ..	" .. "	25228		
5·00			12·00										
7·11 8·63	13·74	2·72 2·72	16·46 16·46	13·74 13·74		7·20 7·20	38 38	68 68	" ..	Above guarantee in phosphoric acid, ammonia and potash.	25229		
3·52 4·27	5·63 3·15	4·13 4·13	12·91 12·91	8·78 8·78	3·30 3·30	16·25 16·25	26 26	70 70	" ..	" .. "	25230		
3·50			8·00		3·00								
2·94 3·57	5·24 3·21	7·03 7·03	15·48 15·48	8·45 8·45	2·85 2·85	15·60 15·60	24 24	18 18	" ..	Low in available phosphoric acid.	25231		
0·51 0·62	4·44 2·41	7·49 7·49	14·34 14·34	6·80 6·80	0·31 0·31	7·41 7·41	12 12	25 25	" ..	" .. "	25232		
.....			11·50										
1·70 1·99	3·78 0·97	7·04 7·04	11·79 11·79	4·75 4·75	1·26 1·26	10·98 10·98	14 14	74 74	" ..	Far below guarantee in available phosphoric acid, ammonia and potash.	25233		
4·00					9·00	5·00							
4·55 5·52	8·63 1·77	3·67 3·67	14·07 14·07	10·40 10·40	6·34 6·34	6·52 6·52	28 28	83 83	" ..	Below guarantee in available phosphoric acid and potash.	25234		
1·77 2·15	3·61 1·48	6·91 6·91	11·90 11·90	4·99 4·99	1·18 1·18	9·31 9·31	14 14	21 21	" ..	Genuine	25235		
2·00					7·00	3·00							
2·59 3·15	5·75 1·13	5·27 5·27	12·15 12·15	6·88 6·88	4·96 4·96	11·24 11·24	23 23	49 49	" ..	" .. "	25236		
9·73 11·81	5·14 0·76	5·14 5·14	5·90 5·90	5·14 5·14		7·70 7·70	38 38	95 95	" ..	" .. "	25237		
7·30 8·86					9·44	10·48							
6·16 7·38	11·20	1·59	12·79	11·20		9·16	32 32	51 51	" ..	According to guarantee...	25408		
1·26 1·53	5·02 2·71	2·73 2·73	10·46 10·46	7·73 7·73	1·97 1·97	11·33 11·33	16 16	06 06	" ..	" .. "	25409		
1·03 1·25	6·00 2·00	2·00 2·00	10·00 10·00	8·00 8·00	2·00 2·00								
1·44 1·75	4·48 2·44	3·51 3·51	10·43 10·43	6·92 6·92	2·41 2·41	14·10 14·10	16 16	42 42	" ..	" .. "	25410		
2·17 2·63	3·63 3·98	2·34 2·34	9·95 9·95	7·61 7·61	2·13 2·13	8·57 8·57	18 18	92 92	" ..	" .. "	25411		
2·06 2·50	5·00 3·00	2·00 2·00	10·00 10·00	8·00 8·00	3·00 3·00								
1·40 1·70	7·16 0·33	4·79 4·79	12·28 12·28	7·49 7·49	3·37 3·37	13·30 13·30	18 18	52 52	" ..	" .. "	25412		
1·12 1·38	4·09 3·06	1·67 1·67	9·72 9·72	8·05 8·05	2·15 2·15	18·41 18·41	15 15	79 79	" ..	" .. "	25413		
1·03 1·25	6·00 2·00	2·00 2·00	10·00 10·00	8·00 8·00	2·00 2·00								
1·44 1·75	4·48 2·44	3·51 3·51	10·43 10·43	6·92 6·92	2·41 2·41	14·10 14·10	16 16	42 42	" ..	" .. "	25414		

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Kingston— J. J. Costigan, Inspector.</i>					
April 28	Victor.....	25240	Jas. Truesdell, Nichols' Chemical Co., Brockville, Ont.	Read Fertilizer Co., Prescott, Ont.	As sold..... As guaranteed..... Standard sample (1669)
"	28 Corn Special.....	25241	H. Brown & Son, Brockville.	" "	As sold..... As guaranteed..... Standard sample.....
"	28 Standard.....	25242	J. D. Mills, Prescott, Ont.	" "	As sold..... As guaranteed..... Standard sample.....
"	28 Vegetable and Vim.....	25243	J. D. Mills, Prescott, Ont.	" "	As sold..... As guaranteed..... Standard sample (1665)
"	28 Potato Special.....	25244	J. D. Mills, Prescott, Ont.	" "	As sold..... As guaranteed..... Standard sample.....
"	28 Corn Special.....	25245	A. Smaids, Prescott, Ont.	Nichols' Chemical Co.	As sold..... As guaranteed..... Standard sample (1669)
"	28 Victor.....	25246	A. Smaids, Prescott, Ont.	" "	As sold..... As guaranteed..... Standard sample.....
"	28 Special.....	25247	A. Smaids, Prescott, Ont.	" "	As sold..... As guaranteed..... Standard sample (1668)
"	28 No. 1.....	25248	A. Templeton, Oxford Mills.	" "	As sold..... As guaranteed..... Standard sample.....
"	28 Potato Fertilizer, Bradleys.	25249	Robert Palton, Bishop's Mills.	American Agricultural Chemical Co.	As sold..... As guaranteed..... Standard sample (1665)
<i>District of Toronto— J. J. Costigan, Inspector.</i>					
May	2 Potato Manure.....	25267	Rufus R. Gage, St. Catharines.	Freeman's, Hamilton	As sold..... As guaranteed..... Standard sample (1634)
"	2 Peruvian Guano.....	25268	Rufus R. Gage, St. Catharines.	Edmond Mortimer Co., New York.	As sold..... As guaranteed..... Standard sample (1634)
"	2 Complete Manure.....	25269	Tiltington Co., St. Catharines.	American Agricultural Chemical Co.	As sold..... As guaranteed..... Standard sample (1634)
"	2 B. D. Seafowl Guano ..	25270	Tiltington Co., St. Catharines.	" "	As sold..... As guaranteed..... Standard sample (1634)
"	2 Potato Fertilizer.....	25271	Tiltington Co., St. Catharines.	" "	As sold..... As guaranteed..... Standard sample (1636)
"	3 Ground Bone.....	25272	A. St. C. Fisher, Queenston, Ont.	" "	As sold..... As guaranteed..... Standard sample (1647)
"	3 Crokers' wheat and corn.	25273	A. St. C. Fisher.	" "	As sold..... As guaranteed..... Standard sample (1650)

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.												No. of Sample.	
Nitrogen.		Phosphoric Acid.						Analyst.	Remarks.				
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.	Potash.	Moisture.	Relative value per ton, 2000 lbs.				
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	cts.				
1.57	1.91	4.00	1.75	6.50	12.25	5.75	2.22	10.72	16.24	W. H. Ellis	Genuine.....	25240	
2.00						7.00	3.00			and A. Le			
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49		moine.		
0.76	0.92	2.25	2.55	3.85	8.65	4.80	5.45	12.32	14.68	W. H. Ellis.	Not registered	25241	
.....	
1.13	1.38	4.35	4.85	1.50	10.70	9.26	3.75	16.27	18.61	"	Genuine.....	25242	
0.82	1.00	5.00	3.00	2.00	10.00	8.00	4.00						
1.12	1.36	4.93	2.82	2.68	10.43	7.75	3.77	9.65	17.40	"	Not registered.....	25243	
1.54	1.87	4.15	2.80	1.60	8.55	6.95	5.12	16.31	18.90	"			
.....	
1.03	1.38	2.16	2.34	1.05	5.55	4.50	6.66	9.78	15.65	"	Genuine.....	25244	
0.82	1.00	2.00	2.00	1.00	5.00	4.00	8.00						
0.70	0.85	3.52	2.69	2.55	8.76	6.21	7.14	12.90	17.47	"	Not registered.....	25245	
1.74	2.11	3.75	4.45	5.35	13.55	8.20	4.14	9.96	16.90	"			
.....	
1.86	2.26	4.00	5.00	3.30	12.30	9.00	3.10	12.66	20.59	"	Genuine.....	25246	
2.00						7.00	3.00						
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	"	Not registered.....	25247	
1.34	1.63	3.75	3.75	4.95	12.45	7.50	3.24	11.32	17.53	"			
.....	
2.56	3.15	8.45	2.80	2.10	13.35	11.25	2.53	11.55	25.08	"	Genuine.....	25248	
.....	.....	.....	.....	.....	.....	11.50				.....	.....	.....
9.75	2.72	5.43	17.90	12.47				11.08	16.32	"	"		
2.02	2.46	4.40	2.55	3.00	9.95	6.95	2.64	13.55	18.13	"	"		
2.06	2.50	5.00	3.00	2.00	10.00	8.06	3.00			"	"		
1.40	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18.52	"			
.....	
3.21	4.14	4.30	1.95	4.50	10.75	6.25	6.35	11.80	25.90	W. H. Ellis	Genuine	25267	
3.00					8.00		5.00						
2.80	3.40	6.07	2.73	5.59	14.39	8.80	5.56	14.72	27.04	"	Not registered.....	25268	
2.64	3.20	2.30	15.85	4.10	22.25	18.15	2.59	11.79	32.86	"			
.....	
2.91	3.52	3.10	11.00	4.50	18.60	14.10	3.87	9.07	30.85	"	Cannot be certainly identified for comparison.	25269	
3.30	4.00	4.00	2.00	1.00	7.00	6.00	10.00						
2.91	3.54	5.11	2.24	1.60	8.95	7.36	11.78	11.50	30.75	"			
1.79	2.17	4.45	5.45	2.65	12.55	9.90	6.70	12.36	24.90	"	Genuine.....	25270	
2.06	2.50	6.00	2.00	1.00	9.00	8.00	1.50						
2.17	2.63	6.27	3.13	3.71	13.11	9.40	1.95	10.24	21.41	"	"		
1.94	2.30	3.32	5.08	4.10	12.50	8.40	3.85	14.79	21.25	"	"		
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00			"	"		
1.40	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18.52	"	"		
2.14	2.60	14.00	10.35	24.35	14.00			6.60	26.96	"	"		
2.47	3.00				22.00					"	"		
2.94	3.57	15.62	10.04	25.66	15.62			2.45	29.70				
1.75	2.13	4.50	3.75	3.12	11.37	8.25	1.60	14.77	18.01	A. Lemoine.	"		
2.06	2.50	6.00	2.00	1.00	9.00	8.00	1.50						
2.07	2.52	6.87	2.57	3.51	12.95	9.44	2.54	11.60	21.70				

RECORD OF FERTILIZER

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Toronto—Con.</i>					
May 3	Special	25274	A. St. C. Fisher.	American Agricultural Chemical Co.	As sold. As guaranteed. Standard sample (1683)
" 3	Special Potash	25275	A. St. C. Fisher.	" "	As sold. As guaranteed. Standard sample (1681)
" 3	Cabbage and Potato.	25276	A. St. C. Fisher.	" "	As sold. As guaranteed. Standard sample (1685)
" 3	Grain and Grass	25277	Wm. Condale, agent, Queenston, Que.	International Seed Co.	As sold. As guaranteed. Standard sample
" 3	Potato and Truck.	25278	Wm. Condale, agent, Queenston, Que.	" "	As sold. As guaranteed. Standard sample
<i>District of London—T. Kidd, Inspector.</i>					
April 19	Lawn Fertilizer.	22262	David Cook, Clinton, Ont.	A. Freeman, Hamilton.	As sold. As guaranteed. Standard sample (1630)
" 19	Bradley's Fertilizer.	22264	M. H. Howat, Goderich.	Howland & Son, wholesale hardware (Toronto).	As sold. As guaranteed. Standard sample
" 24	Bone Dust.	22266	John Byers, Stratford.	John A. Bruce, whole seed merchant, Hamilton.	As sold. As guaranteed. Standard sample
" 25	Fertilizer.	22271	W. O. Foster, St. Thomas.	Steel, Briggs & Co., Toronto.	As sold. As guaranteed. Standard sample
" 25	Fertilizer.	22272	" " "	" " "	As sold. As guaranteed. Standard sample
" 26	Bone Meal.	22274	Darch & Hunter, London, Ont.	Michigan Carbon Works, Detroit.	As sold. As guaranteed. Standard sample
" 27	Sure Growth.	22277	Hastings & Son, Woodstock.	W. A. Freeman, Hamilton.	As sold. As guaranteed. Standard sample (1630)
" 27	Potato Manure.	22278	" " "	" " "	As sold. As guaranteed. Standard sample
" 27	Tankage.	22280	London Soap Co., London.	London Soap Co., London.	As sold. As guaranteed. Standard sample
" 24		22283	R. Hookway & Son, London.		As sold. As guaranteed. Standard sample
<i>District of British Columbia—E. B. Parkinson, Inspector.</i>					
May 4	Fertilizer.	24981	E. Hunt, Steveston, B.C.	Vancouver Fertilizer Co.	As sold. As guaranteed. Standard sample

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.

Nitrogen.		Phosphoric Acid.								Analyst.	Remarks.	No. of Sample.
Total.	As Ammonia.	Soluble in water.	Claire Soluble.	Insoluble.	Total.	Available.	Potash.	Moisture.	Relative value per ton, 2000 lbs.			
p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	cts			
3.82	2.98	3.15	9.95	6.80	6.36	14.75	15.16	W. H. Ellis.	Low in available phosphoric acid.	25274		
8.00	2.00	1.00	11.00	10.00	8.00							
6.88	3.36	3.95	13.59	10.24	7.23	10.56	20.1					
0.87	1.05	5.88	1.92	3.00	10.80	7.80	7.00	14.70	20.0	"	Genuine.	25275
0.82	1.00	7.00	2.00	1.00	10.00	9.00	7.00					
0.84	1.02	7.51	1.45	3.19	12.15	8.96	8.40	11.88	22.91	"	"	25276
2.49	3.20	5.33	1.52	1.90	8.75	6.85	6.28	10.67	23.60	"	"	
2.47	3.00	6.00	2.00	1.00	9.00	8.00	6.00					
2.17	2.64	6.39	3.69	1.91	11.99	10.08	6.87	9.01	20.55	"	Not registered.	25277
1.30	1.51	5.98	2.67	2.70	10.46	7.75	0.54	12.50	14.30	"	"	
1.79	2.18	4.68	2.77	2.90	10.35	7.45	2.04	11.92	17.74	"	"	25278
2.24	2.72	7.40	1.60	1.85	10.85	9.00	2.35	18.06	21.16	W. H. Ellis.	Genuine.	22262
3.50						8.00	3.00					
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	"	Not registered.	22264
2.16	2.62	6.40	2.06	2.70	11.15	8.46	1.98	10.01	20.06	"	"	
3.21	3.89		11.35	11.45	22.80	11.35		6.99	26.82	"	"	22266
4.19	5.08		11.60	9.70	21.30	11.60		7.12	29.91	"	"	22271
5.04	6.11	3.25	8.23	5.45	16.95	11.60	2.08	5.01	33.82	"	"	22272
1.35	1.64		15.50	14.50	30.00	15.50		2.77	25.99	"	"	22274
2.77	3.35	4.40	3.95	6.25	14.60	8.35	3.43	8.57	24.13	"	Genuine.	22277
3.50						8.69	3.00					
2.94	3.57	5.24	3.21	7.03	15.48	8.43	2.86	15.60	24.18	"	"	22278
3.19	3.86	0.20	8.65	4.45	13.30	8.36	4.77	7.56	26.47	"	"	
3.00						8.00	5.00					
2.81	3.40	6.07	2.73	5.59	14.39	8.80	5.56	14.72	27.04	"	Not registered.	22280
5.03	6.10	4.85	5.95	5.80	16.60	10.80	0.22	5.08	31.21	"	"	
0.11	0.14		7.45	5.50	12.95	7.45		0.86	10.22	"	"	22268
0.56	0.68	trace	0.2	0.1	0.3	0.2		1.12	2.15	J. C. Fagan.	A bone meal no doubt leached out in a refinery; is of no value as a fertilizer.	24981

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of British Columbia—Con.</i>					
May 9	Fish Guano.....	24992	Brackman & Kerr, Vancouver.	Frazer River Oilery, near Vancouver.	As sold..... As guaranteed..... Standard sample.....
" 9	B. Fertilizer.....	24993	" " "	Victoria Chemical Co., Victoria.	As sold..... As guaranteed..... Standard sample (1706)
" 9	Bone Meal.....	24994	" " "	Unknown	As sold..... As guaranteed..... Standard sample
" 9	'C' Fertilizer.....	24995	Brackman & Kerr, New Westminister.	Victoria Chemical Co., Victoria.	As sold..... As guaranteed..... Standard sample (1707)
" 10	Nitrate of Soda.....	24997	M. J. Henry, Van- couver.	" " "	As sold..... As guaranteed..... Standard sample (1703)
" 10	Sulphate of Potash.....	24998	" " "	" " "	As sold..... As guaranteed..... Standard sample (1701)
" 10	Thomas Phosphate.....	24999	Brown Bros., Van- couver.	" " "	As sold..... As guaranteed..... Standard sample (1702)

Samples as sold in 1905—*Concluded.*

RESULT OF ANALYSIS.												No. of Sample.	
Nitrogen.		Phosphoric Acid.								Analyst.	Remarks.		
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.	Potash.	Moisture.	Relative value per ton, 2000 lbs.	\$ cts			
p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	J. C. Fagan.	This fertilizer is not registered	24902		
9.2	11.22	0.8	7.1	0.2	8.1	7.9	0.4	7.96	38.67	" " " "	24903		
3.92	4.76	9.0	0.9	0.3	9.8	9.5	11.5	11.18	36.23	" " " "	24904		
3.50					9.0		11.0						
2.87	3.49	8.0	1.59	0.64	10.23	9.59	11.81	10.28	33.11				
4.48	5.44	trace	12.0	10.8	22.8	12.0		9.8	31.67	" Not described so as to admit of identification with any registered brand.	24905		
trace	trace	13.0	0.6	0.4	14.0	13.6	11.3	11.5	27.68	Genuine.	24906		
0.35	0.42	12.66	0.13	2.43	15.22	12.79	11.97	11.04	29.22		24907		
15.85	19.17							1.8	53.89				
16.00													
12.57	15.26							0.96	42.74				
							49.0	3.4	49.00				
							50.0						
							42.19	1.44	42.19				
	none	11.5	4.8	15.8	11.5			3.4	15.66	" Genuine, being up to guarantee, though not up to standard sample filed with the Dept. Inland Rev.	24909		
					16.0								
		15.99	4.15	20.14	15.99			0.05	20.49				